Weather Event Simulator
Case Study

Originating Office	:	WFO Knoxville/Tri-Cities
Date of Case	:	28 April 2002
Contacts	:	Stephen.Parker@noaa.gov
Weather Event	:	Severe Weather - Tornado/Severe Thunderstorms
Learning Objectives	:	Can be used for many objectives concerning severe weather, especially if you are looking for strong non-tornadic supercells.
Available Data	:	All radar data for KMRX and KHTX. Lowest elevation angle data for KBMX, KFCX, KFFC, KGSP, KJKL and KOHX.
	:	AWIPS model guidance fields.
	:	All AWIPS satellite imagery.
	:	All AWIPS point data.
	:	All AWIPS redbook graphics.
	:	surface metar/lighting/MSAS.
Time Period of Data	:	1200 UTC to 2359 UTC 28 April 2002.
Type of Simulation	:	DRT - use additional material as guide to prompt you for questions to ask and extra data to give.
Completion Time	:	approximately 2.5 hours, but can be extended to 5 hours or cut short.
Additional Materials	:	Quattro Pro spreadsheet, annotated for each volume scan from 1731 through 2358 UTC describing significant radar parameters and reported severe weather.
Installation	:	Use the CaseInstaller.tcl script to install the case specifying one (1) DVD-ROM, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2002Apr28.
Special Instructions	:	This case includes localizations for WES versions 1.0, 1.1, 1.2 and 1.3. Please “cd” to the 2002Apr28/localizationDataSets subdirectory and extract (zcat | tar -xvf -) the appropriate localization for your version of the WES software.